

Title (en)

ENCODING AND DECODING DEVICE AND ENCODING METHOD AND DECODING METHOD

Title (de)

KODIERUNGS- UND DEKODIERUNGSEINRICHTUNG UND KODIERUNGSVERFAHREN UND DEKODIERUNGSVERFAHREN

Title (fr)

DISPOSITIF DE CODAGE ET DE DÉCODAGE, PROCÉDÉ DE CODAGE ET PROCÉDÉ DE DÉCODAGE

Publication

**EP 2051499 A4 20120919 (EN)**

Application

**EP 07790733 A 20070713**

Priority

- JP 2007063952 W 20070713
- JP 2006192494 A 20060713

Abstract (en)

[origin: EP2051499A1] [PROBLEMS] To provide an encoding device capable of achieving a sufficient compression ratio even when using a prefix code such as a Huffman code as the entropy encoding method in the wavelet conversion encoding. [MEANS FOR SOLVING PROBLEMS] All the components of LH, HL, HH sub-band coefficients of the same hierarchy and the same space coordinate are extracted as a set from a wavelet sub-band space. Furthermore, it is judged whether each component of each coefficient is zero and as 1-bit judgment result, the respective judgment results are combined to obtain multibit flag information. Upon encoding, firstly, the Huffman information is subjected to variable-length encoding by the Huffman encoding code. After this, only the coefficient values which are not zero are similarly subjected to the variable-length encoding by the Huffman code or the like and outputted.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] US 2004165780 A1 20040826 - MAKI TAKASHI [JP], et al
- [A] JIANHUA WU ET AL: "Embedded zerotree runlength wavelet image coding", PROCEEDINGS 2001 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP 2001 - THESSALONIKI, GREECE, OCT. 7 - 10, 2001; [INTERNATIONAL CONFERENCE ON IMAGE PROCESSING], INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, NEW YORK, NY, vol. 3, 7 October 2001 (2001-10-07), pages 784 - 787, XP010563467, ISBN: 978-0-7803-6725-8, DOI: 10.1109/ICIP.2001.958237
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- [A] KARLSSON G ET AL: "SUBBAND CODING OF VIDEO FOR PACKET NETWORKS", OPTICAL ENGINEERING, SOC. OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS, BELLINGHAM, vol. 27, no. 7, 1 July 1988 (1988-07-01), pages 574 - 586, XP000069873, ISSN: 0091-3286
- See also references of WO 2008007760A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

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DOCDB simple family (application)

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